

PhD Day

Digital Data -Digital Methods -Digital Rights

Description

Digital data and computational methods are ubiquitous and could provide (new) answers to fundamental research questions in the study of individuals and societies (Grimmer, 2015; Lazer et al., 2019; Wallach, 2018). This requires scholars in the fields of communication, economics, management, and law to acquire new skills in order to conduct valid, reliable, and ethical research in the digital domain (van Atteveldt & Peng, 2018). In addition to knowledge in data access, computational methods, and legal aspects, interdisciplinary work is key to the success of future projects.

At the Department of Economics and Media at TU Ilmenau, various researchers work with or on digital data. A systematic approach for the introduction to the work with digital data and the interdisciplinary exchange about the own research projects is missing so far.

This workshop is intended to be the prelude to a systematic engagement with digital data at our faculty. It is primarily aimed at doctoral students in every stage is designed to help PhD students gain a broader overview of the access, methods, and legal aspects of digital data for their research, as well as to foster an interfaculty exchange. First, an introduction to relevant topic and methods will be given. This is followed by interactive workshop and training session that also serves to lay the foundations of further joint exchanges and collaborations at the faculty in the future.

Registration for the workshop can be done directly via Moodle <https://moodle2.tu-ilmenau.de/course/view.php?id=4192>. Here we will announce all news related to the e-vent. Please just assign to the course. Places will be allocated on a first come first serve basis.

References

- Graef I. & Prüfer J. (2021). Governance of Data Sharing, *TILEC Discussion Paper* No. 2021-001.
- Grimmer, J. (2015). We Are All Social Scientists now: How Big Data, Machine Learning, and Causal Inference Work Together. *Political Science & Politics*, 48(01), 80–83.
- Kerber, W. (2021). Specifying and Assigning „Bundles of Rights“ on Data: An Economic Perspective, SSRN 3847620.
- Lazer, D., Pentland, A., Adamic, L., Aral, S., Barabási, A.-L., Brewer, D., ... Alstynne, M. V. (2009). Computational Social Science. *Science*, 323(5915), 721–723.
- Wagner, C., Strohmaier, M., Olteanu, A., Kıcıman, E., Contractor, N., & Eliassi-Rad, T. (2021). Measuring Algorithmically Infused Societies. *Nature*, 595(7866), 197–204.
- van Atteveldt, W., & Peng, T.-Q. (2018). When Communication Meets Computation: Opportunities, Challenges, and Pitfalls in Computational Communication Science. *Communication Methods and Measures*, 12(2–3), 81–92.
- Wallach, H. (2018). Computational Social Science ≠ Computer Science+ Social Data. *Communications of the ACM*, 61(3), 42–44.

Schedule

The workshop will take place on July 8th from 9am -4pm in Oeconomicum Room 5016/5017 (onsite) in English

9:00-9:15 Welcoming

9:15-10:00 Establishing the Status Quo (Elena Freisinger)

Interactive format; Small workshop and as-is analysis to answer the questions (1) who works with what kind of data? (2) what are your main pain points? Small lecture: What are typical data access points for data in research.

10:00-10:15 Coffee Break

10:15-11:00 Opportunities and Pitfalls of Computational Methods for Text Analysis (Emese Domahidi)

Lecture; In addition to a brief introduction to computer-assisted methods for text analysis, current directions and obstacles will be outlined. Sources for getting started with computer-assisted methods will also be mentioned.

11:00-11:30 Digital Data: Roads Ahead for Your Research

Group work; Interdisciplinary groups will discuss which questions should be addressed in the future for doctoral education. Examples of topics include workshops and training, current issues and interdisciplinary collaborations, methods and theories.

11:30-12:30 Lunch Break

12:30-14:00 Digital Data: Roads Ahead for Your Research

Group work; Interdisciplinary groups will discuss which questions should be addressed in the future for doctoral education. Examples of topics include workshops and training, current issues and interdisciplinary collaborations, methods and theories.

14:00-14:15 Coffee Break

14:15-15:00 Legal Perspectives on Digital Data (Juliane Mendelsohn)

Lecture/Discussion; A group of researchers will introduce new rules (legislation) granting access to and use rights on data. In addition, we offer some perspectives on the nature of data and the debate on data-based property rights.

15:00-15:30 Outlook and Farewell